

Rational Numbers Worksheets

Kendra collected data for her science project. She surveyed people asking them how many hours they sleep during a typical night. The chart below shows how each person's response compares to 8 hours (which is the answer she expected most people to say).

Name	Number of Hours (usually slept each night)	Compared to 8 Hours
Frankie	8.5	0.5
Mr. Fields	7	-1.0
Karla	9.5	1.5
Louis	8	0
Tiffany	$7\frac{3}{4}$	$-\frac{1}{4}$

- a. Plot and label each of the numbers in the right-most column of the table above on the number line below.



- b. List the numbers from least to greatest.
- c. Using your answer from part (b) and inequality symbols, write one statement that shows the relationship among all of the numbers.

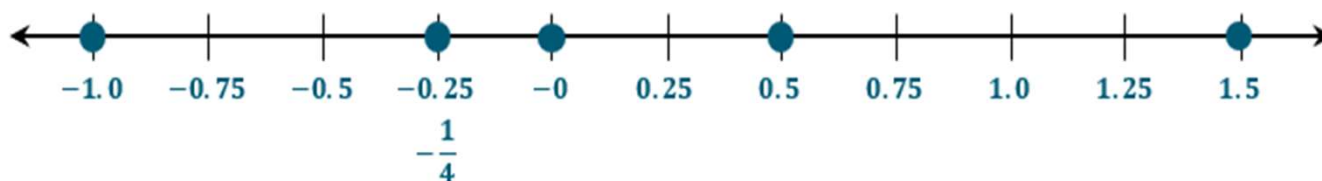
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- b. List the numbers from least to greatest.

$$-1.0, -\frac{1}{4}, 0, 0.5, 1.5$$

- c. Using your answer from part (b) and inequality symbols, write one statement that shows the relationship among all the numbers.

$$-1.0 < -\frac{1}{4} < 0 < 0.5 < 1.5 \text{ or } 1.5 > 0.5 > 0 > -\frac{1}{4} > -1.0$$

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